

Work Order ID 154569

Thursday, December 15, 2016 8:58:06 AM

154569

PRELIMINARY ISSUE

Page 1

Item ID: D5381-3 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: URF 16-685 Stop ***NS2***
 Item Name: Grommet
 Start Date: 12/15/2016 Start Qty: 100.00 ***100*** Cust Item ID:
 Required Date: 12/16/2016 Req'd Qty: 100.00 ***100*** Customer:
 Reference:

Approvals: Process Plan: JK Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D5381	REV A U/R <u>B2</u>	DEC 15 2016							
100	<u>Rev B PD 16-12-16</u>	0.00							DAS 13 9-89
100						100	DEC 15 2016		
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>34653</u>								
	Possible supplier: Mc Master Carr								
	Material release note is required.								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.33							
Packaging									
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									

100x sp16-12-16

100 16-12-16 D.

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Page 2

Item ID: D5381-3 Accept ***N900040100*** Setup Start ***NS1***
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Start Date: 12/15/2016 Start Qty: 100.00 ***100*** Cust Item ID:
Required Date: 12/16/2016 Req'd Qty: 100.00 ***100*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>SH160</u>	0.00							
130									
Packaging	Memo	0.17				100			DAS 6 9-89
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	1.67							DAS 21 9-89
Quality Control									DEC 10 2016 DEC 19 2016

DEC 19 2016


POSITIVE RECALL
EFFECTIVE 16-12-15
RELEASED 16-12-19
DATE 16-12-19
Release at RAUB.

Picklist Print

Thursday, December 15, 2016 8:58:05 AM

Page 1
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Work Order ID: 154569

154569

Parent Item: D5381-3

D5381-3

Parent Item Name: Grommet

Start Date: 12/15/2016

Required Date: 12/16/2016

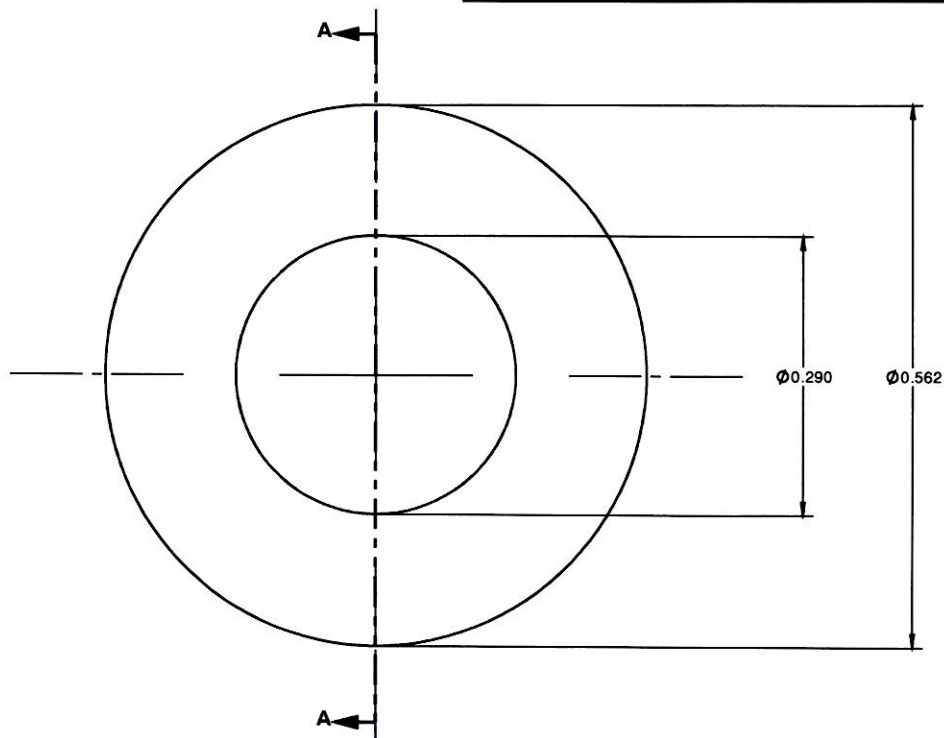
Start Qty: 100.00

Required Qty: 100.00

Comments: IPP REV:A NEW ISSUE 16-12-15 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
90130A030 *90130A030* sealing washer		Purchased			No		Each	0.0000		100			
									**	100x Spd 12-16			

SPECIFICATION CONTROL DRAWING



DEC 15 2016
DAS 13
9-69

W/O: 154569

D5381-3 WINDOW BUSHING

SECTION A-A

DART PART NUMBER	DESCRIPTION	SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	WEIGHT
D5381-3	WINDOW BUSHING	McMASTER-CARR	90130A030	EPDM RUBBER 55A DUROMETER	<0.01 LBS

TABLE 1

- NOTES:**
- 1) MATERIAL: PER TABLE
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
 - 7) WEIGHT: PER TABLE

B	REMOVE-1, REVISED OVERALL DESIGN OF -3, PARTS ARE NOW PROCURED	ML	16.12.14
A	NEW ISSUE	DB	16.05.13
REV.	DESCRIPTION	BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D5381 REV. B2 SHEET 1 OF 1 SCALE WINDOW BUSHING/GROMMET NTS COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DRAWN	ML		
CHECKED	ML		
MFG. APPR.	JLM		
APPROVED	WM		
DE APPR.	DS	DATE 16.12.14	

UNAPPROVED



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34653**

Purchase Order Date 12/15/2016

PO Print Date 12/15/2016

Page Number 1 of 2

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



DEC 15 2016

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	90130A030 ✓ AS PER DWG D5381 REV.B2 B154569 ✓	sealing washer ✓	12/16/2016 Yes 12/16/2016		100.00 ✓ Each	\$0.11	\$10.81
Line Total:							\$10.81
2	71401-45 PROCUREMENT QUALITY CLAUSES A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A025 CERTIFICATE OF CONFORMANCE A040 NOTIFICATION OF QUALITY ESCAPE A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS	PROCUREMENT QUALITY CLAUSES	12/16/2016 No 12/16/2016		1.00 ✓	\$0.00	\$0.00
Line Total:							\$0.00

8916-12-16

Note:

12/15/2016

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO34653
Order Placed By
Chantal Lavoie
McMaster-Carr Number
4631969-01

Page 1 of 1
12/15/2016

Line	Product	Ordered	Shipped
1	90130A030 Weather-Resistant EPDM Rubber Sealing Washer for 5/16" Screw Size, 0.29" ID, 0.562" OD, Packs of 100	1 Pack	1

Sp/6-12-16



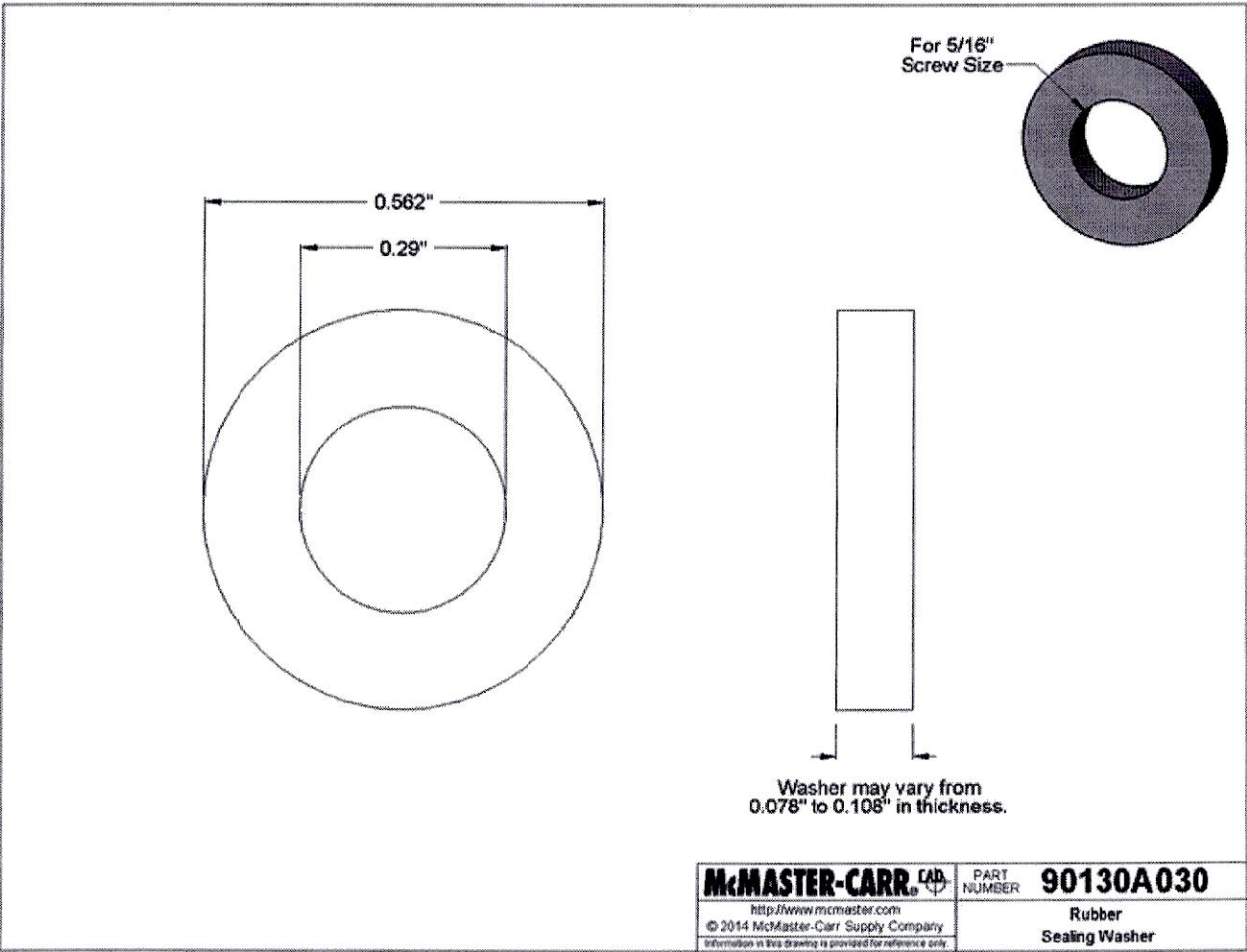
Weather-Resistant EPDM Rubber Sealing Washer
for 5/16" Screw Size, 0.29" ID, 0.562" OD

In stock
\$10.81 per pack of 100
90130A030



Material	EPDM Rubber
For Screw Size	5/16"
ID	0.290"
OD	0.562"
Thickness	0.078"-0.108"
Washer Type	Flat
System of Measurement	Inch
Temperature Range, °F	
Minimum	-20°
Maximum	212°
Hardness	Durometer 55A
Color	Black
RoHS	Compliant

Sunlight, ozone, and water won't affect these washers. They create a light duty seal around fasteners to prevent fluids from leaking and damp vibration.



The information in this 3-D model is provided for reference only.

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 93343974
Purchase Order: PO34653
Release:
McMaster-Carr Number: 4631969-01

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 15-Dec-2016

FOB: ORIGIN

Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping
Attention:

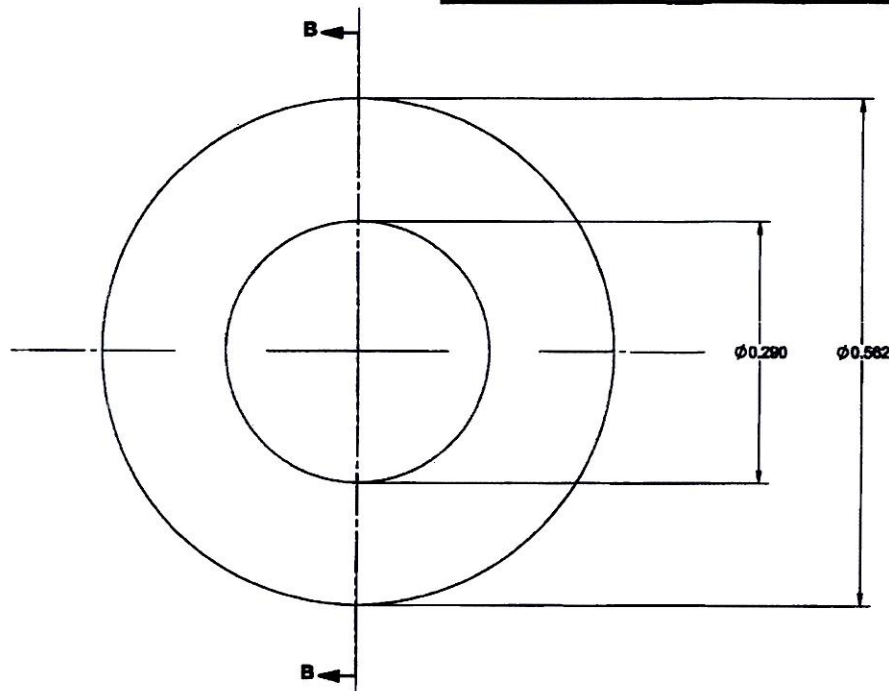
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
1	90130A030 ✓ Weather-Resistant EPDM Rubber Sealing Washer for 5/16" Screw Size, 0.29" ID, 0.562" OD, Packs of 100 Country of Origin: United States Schedule B #: 401693 ECCN #: EAR99 NLR NOTE These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations. NOTE Tracking number(s) for this shipment: 647900016204 Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.	1 ✓ PK	\$10.81	✓ \$10.81

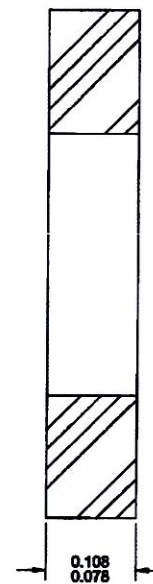
Sold to

Shipping Weight (in kgs): 1	Number of Packages: 1	Invoice Amounts:	Merchandise Amount: \$10.81 Total (in USD): \$10.81
Package Dimensions: 25 X 16 X 8 CM = .003 CUBIC M		Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days	
Authorized Signature: <i>Sarah Weinberg</i>	Date: 15-Dec-2016	Remit payment to: (by mail) McMaster-Carr Supply Company PO Box 7690 Chicago, IL 60680-7690 USA	(by wire transfer) Bank of America 222 Broadway New York, NY 10038 Account 86666-02021 SWIFT BOFAUS3N
Name: Sarah Weinberg	Title: Operations Mgr.	Page 1 of 1	

SPECIFICATION CONTROL DRAWING



D5381-3 WASHER



SECTION B-B

DART PART NUMBER	DESCRIPTION	SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	WEIGHT
D5381-3	WASHER	McMASTER-CARR	90130A030	EPDM RUBBER 55A DUROMETER	<0.010 LBS

- NOTES:**
- 1) MATERIAL: PER TABLE
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
 - 7) WEIGHT: PER TABLE

RELEASE
2016-12-19

APPROVED

DESIGN	DB	DART AEROSPACE LTD	
DRAWN	ML	HAWKESSBURY, ONTARIO, CANADA	
CHECKED	AJS	DRAWING NO.	REV. B
MFG. APPR.	JLM	D5381	SHEET 2 OF 2
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	BUSHING/WASHER	NTS
DATE	16.12.15	COPYRIGHT © 2015 BY DART AEROSPACE LTD	